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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/044,045	01/11/2002	Ahmad Reza Kashani	UVD 0298 PA	2608
23368 7590 DINSMORE & SH		EXAMINER		
ONE DAYTON CENTRE, ONE SOUTH MAIN STREET SUITE 1300 DAYTON, OH 45402-2023			PENDLETON, BRIAN T	
			ART UNIT	PAPER NUMBER
			2615	
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SHORTENED STATUTORY PE	RIOD OF RESPONSE	MAIL DATE	DELIVERÝ MODE	
2.140.1711		01/04/2007	DAI	DED

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

		Application No.	Applicant(s)	
Office Action Summary		10/044,045	KASHANI, AHMAD REZA	
		Examiner	Art Unit	
		Brian T. Pendleton	2615	
Period fo	The MAILING DATE of this communication app r Reply	ears on the cover sheet with the c	orrespondence address	
A SHO WHIC - Exten after: - If NO - Failur Any n	ORTENED STATUTORY PERIOD FOR REPLY HEVER IS LONGER, FROM THE MAILING DAISIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. period for reply is specified above, the maximum statutory period we to reply within the set or extended period for reply will, by statute, eply received by the Office later than three months after the mailing of patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D. (35 U.S.C. & 133)	
Status				
2a) <u></u> 3)□	Responsive to communication(s) filed on <u>26 Secondary</u> This action is FINAL . 2b) This Since this application is in condition for allowar closed in accordance with the practice under Expression 1.	action is non-final.		
	on of Claims			
5)⊠ 6)□ 7)□ 8)□ Application 9)□ 10)⊠	Claim(s) 2,3,6,7,17-23,29-33 and 66 is/are penda) Of the above claim(s) 8-16 and 25-28 is/are Claim(s) 34-41 is/are allowed. Claim(s) is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or on Papers The specification is objected to by the Examine The drawing(s) filed on 11 January 2002 is/are: Applicant may not request that any objection to the or Replacement drawing sheet(s) including the correction of the orath or declaration is objected to by the Examine The oath of the oat	e withdrawn from consideration. r election requirement. r. a) accepted or b) objected drawing(s) be held in abeyance. See ion is required if the drawing(s) is objected	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).	
	•		, 10,1011 01 101111 1 1 0 102.	
Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some colon None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.				
Attacher	(4)			
2) Notice 3) Inform	(s) c of References Cited (PTO-892) c of Draftsperson's Patent Drawing Review (PTO-948) cation Disclosure Statement(s) (PTO/SB/08) No(s)/Mail Date	4) Interview Summary (Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:	te	

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DETAILED ACTION

Response to Amendment

Applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 2, 6, 7, 17-22, 31-33, and 66 are rejected under 35 U.S.C. 102(b) as being anticipated by Hashimoto et al, JP 6-110474. Hashimoto et al teach an active noise control system for a vehicle comprising motion sensor 1, acoustic sensor 8, controller (LMS unit 4, adaptive filter 2), and acoustic wave actuator 7. There is an electronic feedback loop involving filter 3.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 3, 23, and 29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hashimoto in view of Nakao. Hashimoto does not disclose that the motion sensor 1 is an accelerometer. Nakao discloses a vibration damping system which uses a motion sensor which

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is an accelerometer. It would have been obvious to one of ordinary skill in the art at the time of invention to modify Hashimoto by substituting an accelerometer, as taught by Nakao, as the motion sensor since it was well known to use such a device for the purpose of detecting vibrations on a surface. Claim 3 is rejected. Regarding claims 23 and 29, Nakao discloses a second electronic feedback loop. It would have been obvious to one of ordinary skill in the art at the time of invention to use the second feedback loop in Hashimoto for the purpose of adapting the noise control output according to the microphone error signal.

Claim 30 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hashimoto et al in view of Fuller. Hashimoto et al do not disclose that the acoustic wave actuator and acoustic wave sensor are positioned to correspond to the location of the acoustic anti-node of a target acoustic mode within the vehicle. Fuller discloses an apparatus for noise reduction in an enclosure comprising a plurality of microphones 26 and actuators 24. As taught in column 8 lines 21-37, the microphones 26 are located to detect acoustic modes. Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to modify Hashimoto et al by positioning the microphone with regard to a target acoustic mode, as taught by Fuller, for the purpose of canceling a particular noise component.

Allowable Subject Matter

Claims 34-41 are allowed.

Conclusion

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian T. Pendleton whose telephone number is (571) 272-7527. The examiner can normally be reached on M-F 7-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vivian Chin can be reached on (571) 272-7848. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Brian T. Pendleton Primary Examiner Art Unit 2615

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